

What is claimed is:

1. A method for driving a plasma display panel by replacing a frame with a plurality of subframes having  
5 weights of luminance and by setting on and off of light emission of cells for each subframe so as to realize a gradation display, the method comprising the steps of:

10 assigning a luminance weight to the subframes so that plural types of subframe expressions as combinations of subframes to be lighted are prepared for a specific gradation; and

15 applying a superposition method in which the plural types of subframe expressions are mixed only to the specific area of the frame that is made of pixels having the specific gradation and has a luminance gradient within a preset value range between the neighboring pixels.

2. The method according to claim 1, wherein the specific area is an area larger than a predetermined value.

20 3. A method for driving a plasma display panel by replacing a frame with a plurality of subframes having weights of luminance and by setting on and off of light emission of cells for each subframe so as to realize a gradation display, the method comprising the steps of:

25 assigning a luminance weight to the subframes so that plural types of subframe expressions as combinations of subframes to be lighted are prepared for a specific gradation; and

30 applying a superposition method in which the plural types of subframe expressions are mixed only to the specific area of the frame that is made of pixels having

the specific gradation and has a luminance gradient within a preset value range between the neighboring pixels and is a portion of a moving object different from the previous frame.

5           4. The method according to claim 3, wherein the specific area is an area larger than a predetermined value.

5. A device for driving a plasma display panel by replacing a frame with a plurality of subframes and by setting on and off of light emission of cells for each  
10 subframe so as to realize a gradation display, wherein

the device comprises an area decision circuit for dividing the frame into a specific area that is made of pixels having a specific gradation and has a luminance gradient within a preset value range between the  
15 neighboring pixels and other areas, and

the device performs a light emission control for the specific area of the frame by applying a superposition method in which plural types of subframe expressions are mixed while performs another light emission control for  
20 the other areas without applying the superposition method.

6. A device for driving a plasma display panel by replacing a frame with a plurality of subframes and by setting on and off of light emission of cells for each subframe so as to realize a gradation display, wherein

25 the device comprises an area decision circuit for dividing the frame into a specific area that is made of pixels having a specific gradation and has a luminance gradient within a preset value range between the neighboring pixels and is a portion of a moving object  
30 different from the previous frame and other areas, and

the device performs a light emission control for the specific area of the frame by applying a superposition method in which plural types of subframe expressions are mixed while performs another light emission control for the other areas without applying the superposition method.

7. A display device comprising:

an AC type plasma display panel; and

a driving device for driving the plasma display panel, wherein the driving device includes an area

decision circuit for dividing the frame into a specific area that is made of pixels having a specific gradation and has a luminance gradient within a preset value range between the neighboring pixels and other areas, and the driving device performs a light emission control for the specific area of the frame by applying a superposition method in which plural types of subframe expressions are mixed while performs another light emission control for the other areas without applying the superposition method.

8. A display device comprising:

an AC type plasma display panel; and

a driving device for driving the plasma display panel, wherein the driving device includes an area decision circuit for dividing the frame into a specific area that is made of pixels having a specific gradation and has a luminance gradient within a preset value range between the neighboring pixels and is a portion of a moving object different from the previous frame and other areas, and the driving device performs a light emission control for the specific area of the frame by applying a superposition method in which plural types of subframe

expressions are mixed while performs another light  
emission control for the other areas without applying the  
superposition method.

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